



## SEQUENCE LISTING

<110> CHAUDHARY, SARITA  
VAN ROOIJEN, GIJS  
MOLONEY, MAURICE  
SINGH, SURINDER

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cncntncggg tnacatnccg ctgcatgggc tttggggngc cnanaggngag ccncangggg	4949

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4999

<210> 9  
 <211> 98  
 <212> PRT  
 <213> Linum usitatissimum

<400> 9  
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 20 25 30  
 Glu Cys Gln Ile Asp Arg Ile Asp Ala Ser Glu Pro Asp Lys Thr Ile  
 35 40 45  
 Gln Ala Glu Ala Gly Thr Ile Glu Val Trp Asp Gln Asn Arg Gln Gln  
 50 55 60  
 Phe Gln Cys Ala Gly Val Ala Val Val Arg Arg Thr Ile Glu Pro Lys  
 65 70 75 80  
 Gly Leu Leu Leu Pro Phe Tyr Ser Asn Thr Pro Gln Leu Ile Tyr Ile  
 85 90 95

Val Gln

<210> 10  
 <211> 85  
 <212> PRT  
 <213> Linum usitatissimum  
 <220>  
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 <223> Gly or stop codon (amino acid may not be present)

<400> 10  
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 1 5 10 15  
 Glu Glu Ser Gln Gln Gln Gly Gln Gln Gly Gln Gly Ser Ser Gln  
 20 25 30  
 Asp Gln His Gln Lys Ile Arg Arg Phe Arg Glu Gly Asp Val Ile Ala  
 35 40 45  
 Val Pro Ala Gly Val Ala His Trp Ser Tyr Asn Asp Gly Asn Glu Pro  
 50 55 60  
 Val Met Ala Ile Val Val His Asp Thr Ser Ser His Leu Asn Gln Leu  
 65 70 75 80



Asp Asn Asn Pro Arg  
85

<210> 11  
<211> 165  
<212> PRT  
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<400> 11  
Asn Phe Tyr Leu Ala Gly Asn Pro Arg Asp Glu Phe Glu Gln Ser Gln  
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Gln Gly Gly Arg Leu Ser Arg Gly Glu Ser Glu Gly Gly Arg Gly Arg  
20 25 30  
Arg Glu Pro Leu Gln Pro Ala Thr Thr Ser Ser Cys Gly Ile Asp Ser  
35 40 45  
Lys Leu Ile Ala Glu Ala Phe Asn Val Asp Glu Asn Val Ala Arg Arg  
50 55 60  
Leu Gln Ser Glu Asn Asp Asn Arg Gly Gln Ile Val Arg Val Glu Gly  
65 70 75 80  
Glu Leu Asp Ile Val Arg Pro Pro Thr Ser Ile Gln Glu Glu Ser Gln  
85 90 95  
Glu Gln Gly Gly Arg Gly Gly Gly Arg Tyr Tyr Ser Asn Gly Val Glu  
100 105 110  
Glu Thr Phe Cys Ser Met Arg Leu Ile Glu Asn Ile Gly Asp Pro Ser  
115 120 125  
Arg Ala Asp Ile Phe Thr Pro Glu Ala Gly Arg Val Arg Ser Leu Asn  
130 135 140  
Ser His Asn Leu Pro Val Leu Gln Trp Ile Gln Leu Ser Ala Glu Arg  
145 150 155 160  
Gly Val Leu Tyr Asn  
165

<210> 12  
<211> 141  
<212> PRT  
<213> Linum usitatissimum

<400> 12  
Glu Ala Ile Arg Leu Pro His Trp Asn Ile Asn Ala His Ser Ile Val  
1 5 10 15  
Tyr Ala Ile Arg Gly Gln Ala Arg Val Gln Ile Val Asn Glu Glu Gly  
20 25 30  
Asn Ser Val Phe Asp Gly Val Leu Gln Glu Gly Gln Val Val Thr Val  
35 40 45

Pro Gln Asn Phe Ala Val Val Lys Arg Ser Gln Ser Glu Arg Phe Glu  
 50 55 60

Trp Val Ala Phe Lys Thr Asn Asp Asn Ala Met Val Asn Ser Leu Ala  
 65 70 75 80

Gly Arg Thr Ser Ala Val Arg Ala Ile Pro Ala Asp Val Leu Ala Asn  
 85 90 95

Ala Trp Arg Val Ser Pro Glu Glu Ala Arg Arg Val Lys Phe Asn Arg  
 100 105 110

Gln Glu Thr His Leu Ala Ser Thr Arg Gly Gln Ser Arg Ser Pro Gly  
 115 120 125

Arg Leu Asn Val Val Lys Glu Val Ile Asn Leu Leu Met  
 130 135 140

<210> 13  
 <211> 11  
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<400> 13  
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 1 5 10

<210> 14  
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 <212> DNA  
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<220>  
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<400> 14  
 tccactatgt aggtcata

18

<210> 15  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 15  
 ctttaagggtg tgagagtc

18

<210> 16  
 <211> 15  
 <212> DNA  
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<220>  
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 primer

<400> 16  
 aggggtgatc gatta 15

<210> 17  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 17  
 gatagaaccc acacgagc 18

<210> 18  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
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 primer

<400> 18  
 tatctagact caagcatagc gacaagggt 29

<210> 19  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
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 site

<400> 19  
 tctaga 6

<210> 20  
 <211> 21  
 <212> DNA  
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&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic primer

&lt;400&gt; 20

ggttatcatt gtatgaactg a

21

&lt;210&gt; 21

&lt;211&gt; 6

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic NcoI site

&lt;400&gt; 21

ccatgg

6

&lt;210&gt; 22

&lt;211&gt; 32

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic primer

&lt;400&gt; 22

gcaagcttaa tgtgacggtg aaataataac gg

32

&lt;210&gt; 23

&lt;211&gt; 6

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic HindIII site

&lt;400&gt; 23

aagctt

6

&lt;210&gt; 24

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic primer

&lt;400&gt; 24

taggtacctg gcaggtaaag actctgctc

29

<210> 25

<211> 6

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic KpnI  
site

<400> 25

ggtacc